

## SUSTAINED RELEASE OINTMENT FOR ORAL CAVITY

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### Abstract of JP4013616

**PURPOSE:** To obtain a sustained release ointment for oral cavity useful for diseases in the oral cavity such as periodontal diseases, having excellent elution properties of drug, capable of releasing fixed concentration of drug for many hours, by blending a hydrophobic ointment base with a polyhydric alcohol, a tacky substance and a drug.  
**CONSTITUTION:** A hydrophobic ointment base (e.g. gelatinized hydrocarbon) is blended with a polyhydric alcohol (e.g. propylene glycol or polyethylene glycol), a tacky substance (e.g. sodium alginate) and a drug (e.g. tetracycline or oxytetracycline). The amount of the hydrophobic ointment base used is 50-95wt.%, preferably 75-90wt.% based on the total ointment. The amount of the polyhydric alcohol is 0.1-10wt.%, preferably 0.5-5wt.% based on the total ointment.

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